



Pooja BK

World Happiness Report
Case Study

Project Objective:

The project objective of the World Happiness Report project is to comprehensively analyze and understand the key factors influencing global happiness trends. This involves examining the relationships between economic indicators, social support systems, health, and other variables with happiness scores across different countries.

Data Overview

“The World Happiness Report Dataset”,
Accessed from
<https://www.kaggle.com/datasets/unsdsn/world-happiness> via Kaggle

Skills and Tools

Python
Tableau
Exploring Relationships
Geographical Visualizations with Python
Supervised Machine Learning
Unsupervised Machine Learning
Sourcing & Analyzing Time Series Data
Github

Introduction

The World Happiness Report is a comprehensive survey that assesses the state of global happiness, ranking 155 countries based on their happiness levels. The evaluation considers six key factors: economic production, social support, life expectancy, freedom, absence of corruption, and generosity.

Key Variables

Economy (GDP per Capita): Measures the economic contribution to happiness.

Social Support (Family): Examines the impact of social connections on happiness.

Life Expectancy(Health): Reflects the influence of health and longevity on happiness.

Freedom: Assesses the contribution of freedom to overall happiness.

Absence of Corruption (Trust): Measures the impact of corruption on happiness.

Generosity: Evaluates the role of generosity in contributing to happiness.

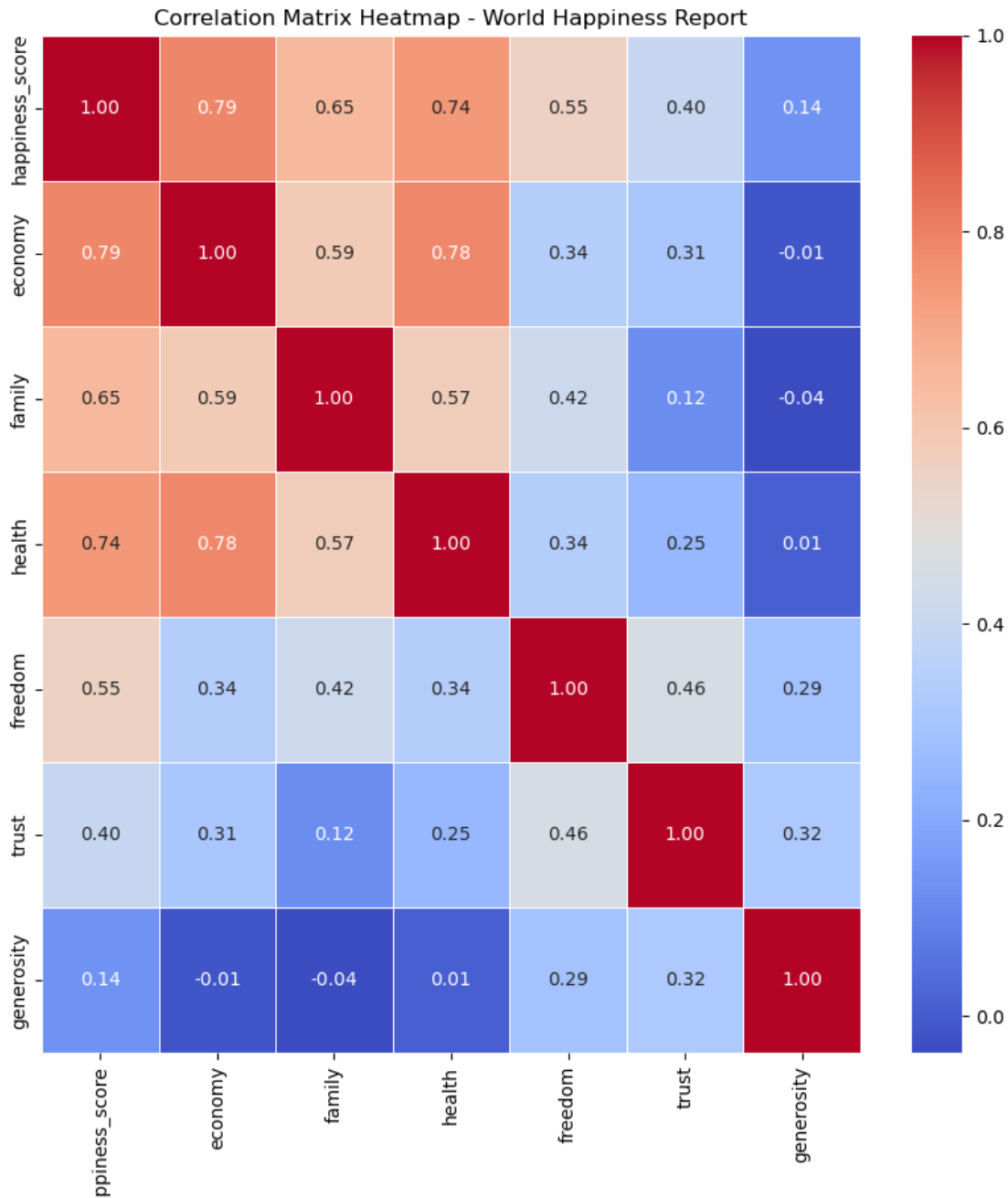
The World Happiness Report provides a nuanced understanding of global happiness, emphasizing the multifaceted contributors to well-being. Exploring the rankings, factors, and temporal changes allows for valuable insights into the evolving landscape of happiness worldwide.

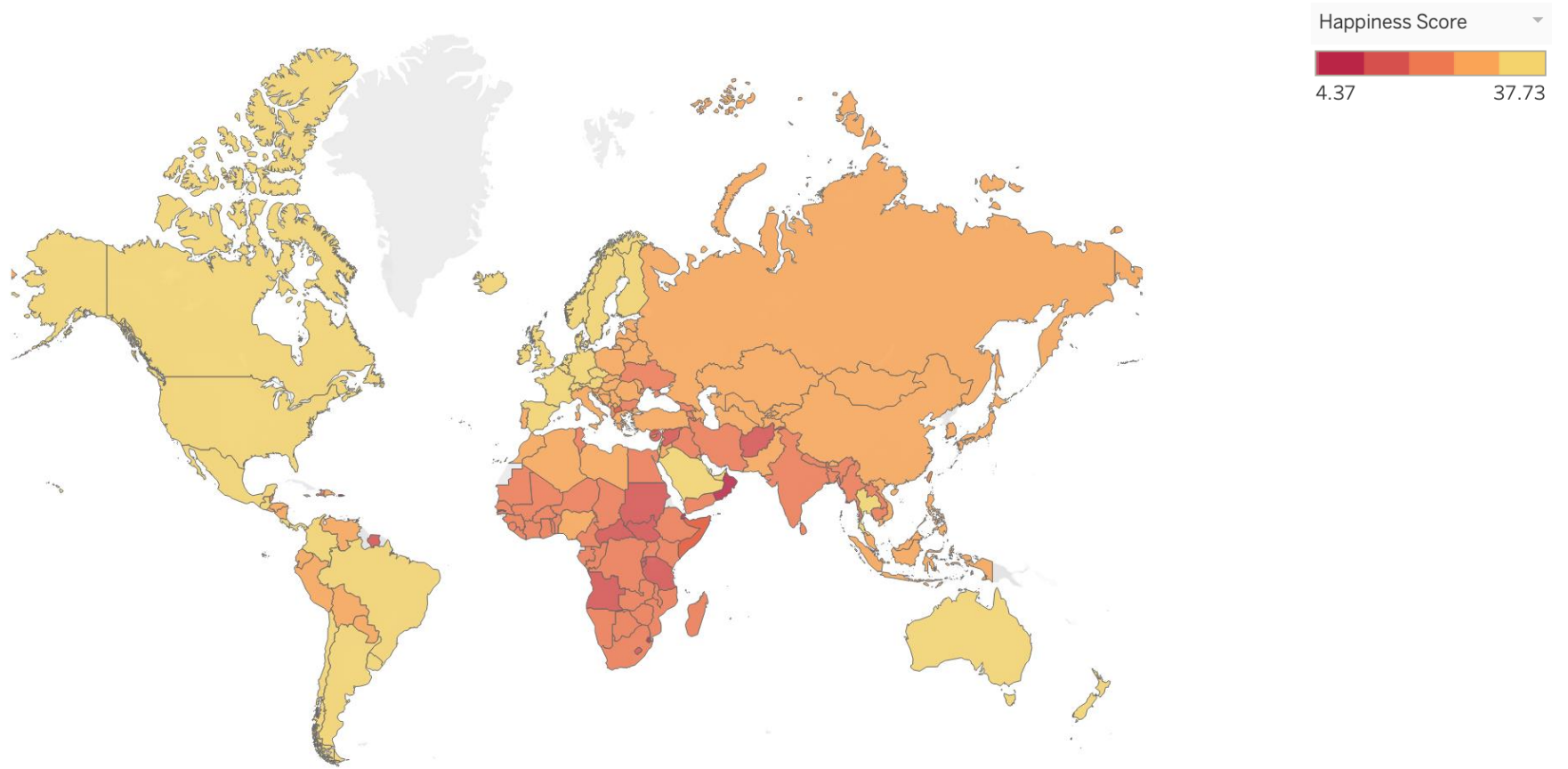
Please find more on this project at:



Correlation Matrix Heatmap

The World Happiness Report highlights that Economy, Health, and Family are pivotal factors influencing happiness scores across nations. The positive correlation coefficients of 0.79 for Economy, 0.73 for Health, and 0.64 for Family emphasize their significant impact on overall well-being. Countries with robust economic prosperity (GDP per capita) tend to exhibit higher happiness scores, underscoring the importance of financial stability. Moreover, the strong positive correlation between Health (life expectancy) and happiness underscores the integral role of good health in fostering contentment. Additionally, the positive link between Family support and happiness highlights the social fabric's importance, indicating that strong familial bonds contribute significantly to the overall happiness of a nation's population. These insights suggest that effective policies promoting economic growth, healthcare initiatives, and social support systems are key avenues for fostering greater happiness on a national scale.





Happiness Score around the World

Summary of Key Findings

The World Happiness Report analysis has revealed several key insights that can inform policy and interventions for enhancing overall well-being and happiness across nations. Notable findings include a strong positive correlation (0.79) between GDP per capita (Economy) and happiness scores, emphasizing the crucial role of economic prosperity in fostering happiness. Additionally, positive correlations were observed between social support (Family), life expectancy (Health), perceived freedom, and happiness scores, highlighting the significance of robust social structures, health, and individual freedoms in contributing to happiness.





Recommendations

1. Economic Policy:

Implement strategies to boost economic growth and job creation, ensuring equitable distribution of resources to enhance overall prosperity and happiness.

2. Social Support Programs:

Develop and invest in social support programs that strengthen family bonds, community ties, and mental health services to foster a supportive and connected society.

3. Healthcare Interventions:

Prioritize healthcare investments to improve life expectancy, focusing on preventive measures, access to quality healthcare, and mental health support.

4. Freedom and Governance:

Enhance transparency, accountability, and citizen participation in governance to build trust in institutions and promote a sense of freedom and autonomy.

5. Education for Well-being:

Integrate well-being education into school curricula to promote mental health awareness, resilience, and coping strategies, contributing to long-term happiness.

6. Social Equality and Inclusion:

Implement policies that address social inequalities and promote inclusivity, recognizing their impact on overall happiness and societal well-being.

7. Community Engagement:

Encourage community engagement and volunteerism, fostering a culture of generosity and social responsibility that positively contributes to happiness.



Thank you!